

FIG. 1

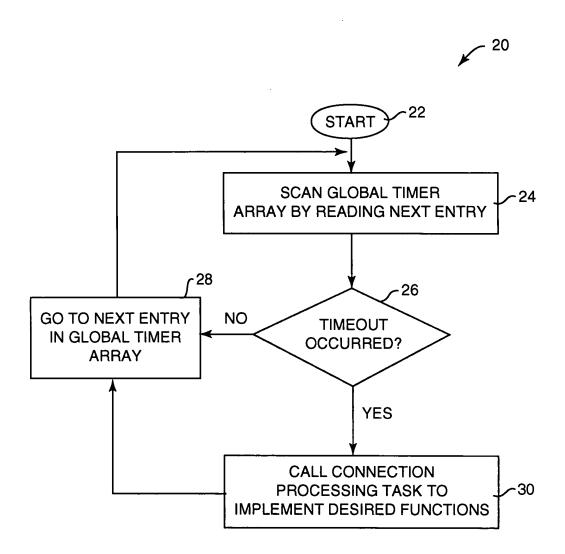


FIG. 2

52 CONNEC- TION	CONNECTION TABLE  54  TIMERS			50	√50		GLOBAL TIMER ARRAY	
1	TIMER1	TIMER2	TIMER3	•••	TIMERM	$\Longrightarrow$	TIMER2	
2	TIMER1	TIMER2	TIMER3	•••	TIMERM	$\Longrightarrow$	TIMER1	
3	TIMER1	TIMER2	TIMER3	***	TIMERM		TIMER2	
4	TIMER1	TIMER2	TIMER3	•••	TIMERM		TIMER3	
:	•	:	:		•		:	
N	TIMER1	TIMER2	TIMER3	•••	TIMERM		TIMER1	

FIG. 3

Method and System for Maintaining and Examining Timers for Network Connections -102 - 100 **START** RECEIVE INFORMATION ASSOC-104 IATED WITH A CONNECTION **OBTAIN SEMAPHORE FOR** 105 **CONNECTION TABLE ENTRIES** 106 TIMEOUT NO OCCURRED AND IS FIG. 4 RELEVANT? YES **DETERMINE WHICH TIMERS**  $\sim 108$ HAVE EXPIRED FOR ASSOCIATED CONNECTION INITIATE THE EXECUTION OF PROTOCOL FUNCTION(S) ASSOCIATED 110 WITH THE EXPIRED TIMER(S) DETERMINE AND WRITE TIMER -112 **VALUES IN CONNECTION TABLE** -114 **NEW TIMER** NO VALUE CLOSER TO CUR-**RENT TIME THAN GLOBAL** ARRAY TIMER VALUE? YES CHANGE GLOBAL ARRAY TIMER -116 VALUE TO NEW TIMER VALUE -117 RELEASE SEMAPHORE -118

DONE

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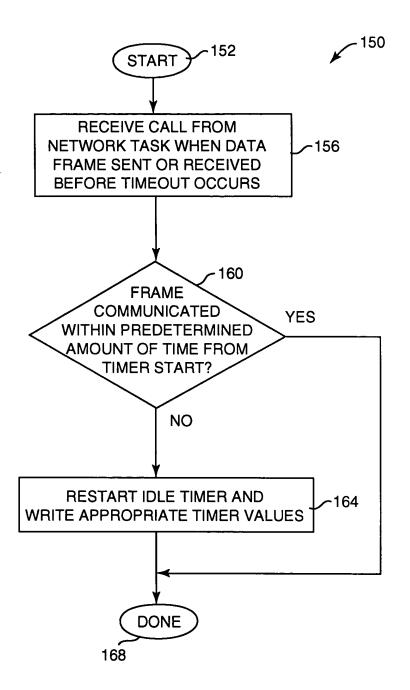


FIG.5